1600

RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

ENTERED

```
 4 <110> APPLICANT: Phairson Medical, Inc.
 5       de Faire, Johan
 6       Franklin, Richard L.
 7       Kay, John
 8       Lindblom, Ragnvald
10 <120> TITLE OF INVENTION: Removing Dental Plaque with Krill
11       Enzymes
13 <130> FILE REFERENCE: 314572-101F
15 <140> CURRENT APPLICATION NUMBER: 09/549,642
16 <141> CURRENT FILING DATE: 2000-04-14
18 <150> PRIOR APPLICATION NUMBER: 09/303,375
19 <151> PRIOR FILING DATE: 2000-04-30
21 <150> PRIOR APPLICATION NUMBER: 08/600,273
22 <151> PRIOR FILING DATE: 1996-02-08
24 <150> PRIOR APPLICATION NUMBER: 08/486,820
25 <151> PRIOR FILING DATE: 1995-06-07
27 <150> PRIOR APPLICATION NUMBER: 08/385,540
28 <151> PRIOR FILING DATE: 1995-02-08
30 <160> NUMBER OF SEQ ID NOS: 20
32 <170> SOFTWARE: FastSEQ for Windows Version 4.0
34 <210> SEQ ID NO: 1
35 <211> LENGTH: 25
36 <212> TYPE: PRT
37 <213> ORGANISM: Euphasia superba
39 <400> SEQUENCE: 1
40 Ile Val Gly Gly Asn Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
41 1               5                   10                  15
42 Gly Leu Phe Ile Asp Asp Met Tyr Phe
43             20                  25
45 <210> SEQ ID NO: 2
46 <211> LENGTH: 25
47 <212> TYPE: PRT
48 <213> ORGANISM: Euphasia superba
50 <400> SEQUENCE: 2
51 Ile Val Gly Gly Met Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
52 1               5                   10                  15
53 Gly Leu Phe Ile Asp Asp Met Tyr Phe
54             20                  25
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 25
58 <212> TYPE: PRT
59 <213> ORGANISM: Penaeus vanameii
61 <400> SEQUENCE: 3
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RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

        Input Set : A:\314572-101F SEQLIST.TXT
        Output Set: N:\CRF4\05132003\I549642.raw

 62 Ile Val Gly Gly Val Glu Ala Thr Pro His Ser Trp Pro His Gln Ala
 63 1   5   10   15
 64 Ala Leu Phe Ile Asp Asp Met Tyr Phe
 65   20   25
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 20
 69 <212> TYPE: PRT
 70 <213> ORGANISM: Penaeus vanameii
 72 <220> FEATURE:
 73 <221> NAME/KEY: VARIANT
 74 <222> LOCATION: (1)...(20)
 75 <223> OTHER INFORMATION: Xaa = Any Amino Acid
 77 <400> SEQUENCE: 4
W--> 78 Ile Val Gly Gly Val Glu Ala Thr Pro His Ser Xaa Pro His Gln Ala
 79 1   5   10   15
 80 Ala Leu Phe Ile
 81   20
 83 <210> SEQ ID NO: 5
 84 <211> LENGTH: 25
 85 <212> TYPE: PRT
 86 <213> ORGANISM: Penaeus monodon
 88 <400> SEQUENCE: 5
 89 Ile Val Gly Gly Thr Ala Val Thr Pro Gly Glu Phe Pro Tyr Gln Leu
 90 1   5   10   15
 91 Ser Phe Gln Asp Ser Ile Glu Gly Val
 92   20   25
 94 <210> SEQ ID NO: 6
 95 <211> LENGTH: 25
 96 <212> TYPE: PRT
 97 <213> ORGANISM: Penaeus monodon
 99 <400> SEQUENCE: 6
100 Ile Val Gly Gly Val Glu Ala Val Pro Gly Val Trp Pro Tyr Gln Ala
101 1   5   10   15
102 Ala Leu Phe Ile Ile Asp Met Tyr Phe
103   20   25
105 <210> SEQ ID NO: 7
106 <211> LENGTH: 25
107 <212> TYPE: PRT
108 <213> ORGANISM: Penaeus monodon
110 <400> SEQUENCE: 7
111 Ile Val Gly Gly Val Glu Ala Val Pro His Ser Trp Pro Tyr Gln Ala
112 1   5   10   15
113 Ala Leu Phe Ile Ile Asp Met Tyr Phe
114   20   25
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 25
118 <212> TYPE: PRT
119 <213> ORGANISM: Uca pugilator
121 <400> SEQUENCE: 8

RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

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122 Ile Val Gly Gly Val Glu Ala Val Pro Asn Ser Trp Pro His Gln Ala
123 1               5                   10                  15
124 Ala Leu Phe Ile Asp Asp Met Tyr Phe
125             20                  25
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 20
129 <212> TYPE: PRT
130 <213> ORGANISM: Uca pugilator
132 <400> SEQUENCE: 9
133 Ile Val Gly Gly Gln Asp Ala Thr Pro Gly Gln Phe Pro Tyr Gln Leu
134 1               5                   10                  15
135 Ser Phe Gln Asp
136             20
138 <210> SEQ ID NO: 10
139 <211> LENGTH: 19
140 <212> TYPE: PRT
141 <213> ORGANISM: King crab
143 <220> FEATURE:
144 <221> NAME/KEY: VARIANT
145 <222> LOCATION: (1)...(19)
146 <223> OTHER INFORMATION: Xaa = Any Amino Acid
148 <400> SEQUENCE: 10
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W--> 149 Ile Val Gly Gly Gln Glu Ala Ser Pro Gly Ser Trp Pro Xaa Gln Val
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150 1               5                   10                  15
151 Gly Leu Phe
154 <210> SEQ ID NO: 11
155 <211> LENGTH: 20
156 <212> TYPE: PRT
157 <213> ORGANISM: Kamchatka crab
159 <220> FEATURE:
160 <221> NAME/KEY: VARIANT
161 <222> LOCATION: (1)...(20)
162 <223> OTHER INFORMATION: Xaa = Any Amino Acid
164 <400> SEQUENCE: 11
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W--> 165 Ile Val Gly Gly Gln Glu Ala Ser Pro Gly Ser Trp Pro Xaa Gln Val
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166 1               5                   10                  15
167 Gly Leu Phe Phe
168             20
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 20
172 <212> TYPE: PRT
173 <213> ORGANISM: Kamchatka crab
175 <400> SEQUENCE: 12
176 Ile Val Gly Gly Thr Glu Val Thr Pro Gly Glu Ile Pro Tyr Gln Leu
177 1               5                   10                  15
178 Ser Leu Gln Asp
179             20
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 20
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RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

```
183 <212> TYPE: PRT
184 <213> ORGANISM: Kamchatka crab
186 <400> SEQUENCE: 13
187 Ile Val Gly Gly Thr Glu Val Thr Pro Gly Glu Ile Pro Tyr Gln Leu
188 1               5                   10                  15
189 Ser Phe Gln Asp
190             20
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 20
194 <212> TYPE: PRT
195 <213> ORGANISM: Kamchatka crab
197 <220> FEATURE:
198 <221> NAME/KEY: VARIANT
199 <222> LOCATION: (1)...(20)
200 <223> OTHER INFORMATION: Xaa = Any Amino Acid
202 <400> SEQUENCE: 14
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W-->
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203 Ile Val Gly Gly Ser Glu Ala Thr Ser Gly Gln Phe Pro Tyr Gln Xaa
204 1               5                   10                  15
205 Ser Phe Gln Asp
206             20
208 <210> SEQ ID NO: 15
209 <211> LENGTH: 20
210 <212> TYPE: PRT
211 <213> ORGANISM: Crayfish
213 <400> SEQUENCE: 15
214 Ile Val Gly Gly Thr Asp Ala Thr Leu Gly Glu Phe Pro Tyr Gln Leu
215 1               5                   10                  15
216 Ser Phe Gln Asn
217             20
219 <210> SEQ ID NO: 16
220 <211> LENGTH: 20
221 <212> TYPE: PRT
222 <213> ORGANISM: Bovine
224 <400> SEQUENCE: 16
225 Ile Val Asn Gly Glu Asp Ala Val Pro Gly Ser Trp Pro Trp Gln Val
226 1               5                   10                  15
227 Ser Leu Gln Asp
228             20
230 <210> SEQ ID NO: 17
231 <211> LENGTH: 25
232 <212> TYPE: PRT
233 <213> ORGANISM: Salmon
235 <400> SEQUENCE: 17
236 Ile Val Gly Gly Tyr Glu Cys Lys Ala Tyr Ser Gln Ala Tyr Gln Val
237 1               5                   10                  15
238 Ser Leu Asn Ser Gly Tyr His Tyr Cys
239             20                  25
241 <210> SEQ ID NO: 18
242 <211> LENGTH: 25
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RAW SEQUENCE LISTING   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:09

          Input Set : A:\314572-101F SEQLIST.TXT
          Output Set: N:\CRF4\05132003\I549642.raw

```
243 <212> TYPE: PRT
244 <213> ORGANISM: Atlantic cod
246 <400> SEQUENCE: 18
247 Ile Val Gly Gly Tyr Glu Cys Thr Lys His Ser Gln Ala His Gln Val
248 1               5                   10                  15
249 Ser Leu Asn Ser Gly Tyr His Tyr Cys
250             20                  25
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 25
254 <212> TYPE: PRT
255 <213> ORGANISM: Atlantic cod
257 <400> SEQUENCE: 19
258 Ile Val Gly Gly Tyr Glu Cys Thr Arg His Ser Gln Ala His Gln Val
259 1               5                   10                  15
260 Ser Leu Asn Ser Gly Tyr His Tyr Cys
261             20                  25
263 <210> SEQ ID NO: 20
264 <211> LENGTH: 25
265 <212> TYPE: PRT
266 <213> ORGANISM: Euphasia superba
268 <220> FEATURE:
269 <221> NAME/KEY: VARIANT
270 <222> LOCATION: (1)...(25)
271 <223> OTHER INFORMATION: Xaa = Any Amino Acid
273 <400> SEQUENCE: 20
W--> 274 Ile Val Gly Gly Xaa Glu Val Thr Pro His Ala Tyr Pro Trp Gln Val
275 1               5                   10                  15
276 Gly Leu Phe Ile Asp Asp Met Tyr Phe
277             20                  25
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 05/13/2003
PATENT APPLICATION: US/09/549,642   TIME: 14:56:10

Input Set : A:\314572-101F SEQLIST.TXT
Output Set: N:\CRF4\05132003\I549642.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 12
Seq#:10; Xaa Pos. 14
Seq#:11; Xaa Pos. 14
Seq#:14; Xaa Pos. 16
Seq#:20; Xaa Pos. 5

VERIFICATION SUMMARY   DATE: 05/13/2003
PATENT APPLICATION: **US/09/549,642**   TIME: 14:56:10

Input Set : **A:\314572-101F SEQLIST.TXT**
Output Set: **N:\CRF4\05132003\I549642.raw**

```
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:149 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:165 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:203 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
```